

## ABSTRACT

The invention relates to a device for collecting ions, in particular in an isotope mass spectrometer. At least one secondary electron multiplier (SEM) is provided, this being  
5 constructed in the manner of a card, namely box-like and with a thickness which is low in comparison with its length and width. The SEM is held in a frame. In addition, a flat flexible printed circuit board with a plurality of parallel conductors is connected to the SEM. The flexible printed circuit board permits the positioning of the SEM in order to match the ion paths to be sampled.